

Amendments to the Specification:

Please amend the specification as follows:

Please replace the paragraph starting at page 5, line 4 with the following:

Advantageously, a limiting stop connected to the pin is provided in order to limit movement in the guidance direction. A number of possible configurations are conceivable in this context. If the socket is embodied, for example, as a tube (i.e. open at both ends) and is mounted in easily accessible fashion on the measurement arrangement, and if the connection between the limiting stop and the pin is embodied as an insertion connection or a threaded connection, then ~~firstly~~ the limiting stop is first removed. The connection between the lamp housing and the measurement arrangement is then made, for which purpose the pin is inserted into the socket and the lamp housing is slid along that guide in the direction of the remaining portion of the measurement arrangement. The connection between the pin and the limiting stop is then reestablished. An opening in the socket, through which the limiting stop can be inserted or threaded into a matching opening in the pin, can be provided, for example, for this purpose. Another possibility is to make the pin longer than the socket and to provide the opening in the pin for the limiting stop in the protruding portion of the pin, so as to prevent any relative movement between the pin and the socket when the limiting stop is inserted. In this case, however, the pin only prevents the lamp housing from being pulled out. Further means are necessary in order to suppress the relative movement entirely; for example, the lamp housing can be inserted sufficiently far that the side of the lamp housing on which the pin is mounted is in contact with the remaining portion of the measurement arrangement, and the lamp housing cannot be slid further in that direction.

Please replace the paragraph starting at page 5, line 26 with the following:

The limiting stop can also be connected to the pin by means of a spring. Before the connection between the lamp housing and the measurement arrangement is created, i.e. upon insertion, the limiting stop is first ~~firstly~~ pushed (for example, by hand) into the pin, and jumps back out when the lamp housing is inserted correctly.

Please replace the paragraph starting at page 6, line 4 with the following:

The guidance system need not necessarily comprise a socket and a pin, however. Other guidance systems are also conceivable. For example, the guidance system can also be configured as a dovetail guide having at least one slide bar. The slide bar is advantageously equipped with a limiting stop for limiting movement in the guidance direction. A guidance system of this kind is particularly suitable for vertical arrangements, i.e. if the lamp housing is to be inserted from above into the rest of the measurement arrangement.

Please replace the paragraph starting at page 7, line 22 with the following:

Additionally mounted on a front side 1b of lamp housing 1 is at least one contact 5 in the form of a pin, for creating an electrical contact between lamp housing 1 and remaining portion 2 of the measurement arrangement. First and second hollow cylinders ~~A first and a second hollow cylinder~~ 6a and 6b are moreover connected to front side 1b of lamp housing 1. Through hollow cylinders 6a and 6b, light is transmitted from two illumination sources present in lamp ~~housing 6~~ housing 1, for example a deuterium lamp and a halogen lamp, to remaining portion 2 of the measurement arrangement. A limiting stop 7 is connected to first hollow cylinder 6a, for example via an insertion connection or threaded connection.

Please replace the paragraph starting at page 9, line 19 with the following:

Subject light beam 30b reflected from measurement location M, after passing through a pinhole mirror 35 and a further light-guiding device 36 that is likewise embodied as a light guide, reaches the spectrograph 33. Pinhole mirror 35 ~~mirror 25~~ is of semitransparent configuration, so that a portion of subject light beam 30b can be diverted by it for further examination or observation purposes. The light diverted by pinhole mirror 35 is coupled into a device 37 for visual display. This is, for example, a color CCD video camera that serves to display on a monitor the region of the sample surface that is to be examined, for example in order to allow visual selection of a portion to be monitored or in order to observe the measurement operation. The image signal that is obtained can furthermore be recorded for the purpose of additional process monitoring.